Validated By CRFValidator v 1.0.3

Application No: 10565847   Version No: 1.0

                    Input Set:

                    Output Set:

                      Started: 2007-12-31 15:21:19.073
                     Finished: 2007-12-31 15:21:20.205
                      Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 132 ms
              Total Warnings: 9
                 Total Errors: 4
        No. of SeqIDs Defined: 35
          Actual SeqID Count: 35

Error code   Error Description

W   213   Artificial or Unknown found in <213> in SEQ ID (1)

W   213   Artificial or Unknown found in <213> in SEQ ID (2)

W   213   Artificial or Unknown found in <213> in SEQ ID (3)

W   213   Artificial or Unknown found in <213> in SEQ ID (4)

W   213   Artificial or Unknown found in <213> in SEQ ID (5)

W   213   Artificial or Unknown found in <213> in SEQ ID (6)

W   213   Artificial or Unknown found in <213> in SEQ ID (7)

W   213   Artificial or Unknown found in <213> in SEQ ID (8)

W   213   Artificial or Unknown found in <213> in SEQ ID (9)

E   257   Invalid sequence data feature in <221> in SEQ ID (10)

E   257   Invalid sequence data feature in <221> in SEQ ID (11)

E   257   Invalid sequence data feature in <221> in SEQ ID (12)

E   257   Invalid sequence data feature in <221> in SEQ ID (13)

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agcccatccc cattggggac agctccccac acctccctga gggaccagcg actgcagggc   240

catccccgga tcctgcatgg gaggaattac cacccagtac tgtattaggg tgtgacgcag   300

agctcaaagg aggaacagtc caaagaaagg aagctgacct cccagtaga ccccatgtga   360

ggacgctgac actagcccag caccaagcac tgtatttgga ttttcttcca cgatcaatgg   420

caggatgccc ctatctttat caggagcccc tccctggctc aattcttctg tatgtaatgg   480

ggcagacaca acagcgtggc ttagattgtg cccacccagg gaaggtgctg aatggtgctg   540

aatgggaccc tgttgatggc cccatctgga tgtaaatcct gagctcaaat ctctataaaa   600

ccttgctctt tacatacaat gcctggtcct ctcctttcac ccgtcttta gggg   654

<210> 2
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<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<222> (1)..(121)
<223> polypeptideNeuromedin

<400> 2

Met Ala Arg Arg Ala Gly Gly Ala Arg Met Phe Gly Ser Leu Leu Leu
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Phe Ala Leu Leu Ala Ala Gly Val Ala Pro Leu Ser Trp Asp Leu Pro
                20   25   30

Glu Pro Arg Ser Arg Ala Ser Lys Ile Arg Val His Ser Arg Gly Asn
            35   40   45

Leu Trp Ala Thr Gly His Phe Met Gly Lys Lys Ser Leu Glu Pro Ser
        50   55   60

Ser Pro Ser Pro Leu Gly Thr Ala Pro His Thr Ser Leu Arg Asp Gln
65   70   75   80

Arg Leu Gln Leu Ser His Asp Leu Leu Gly Ile Leu Leu Leu Lys Lys
                85   90   95

Ala Leu Gly Val Ser Leu Ser Arg Pro Ala Pro Gln Ile Gln Tyr Arg
                100   105   110

Arg Leu Leu Val Gln Ile Leu Gln Lys
            115   120

<210> 3
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Neuromedin forward PCR primer

<220>

<221> primer_bind
<222> (1)..(18)

<400> 3
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<210> 4
<211> 20
<212> DNA
<213> Artificial sequence

<220>
<223> Neuromedin reverse PCR primer

<220>
<221> primer_bind
<222> (1)..(20)

<400> 4
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<210> 5
<211> 17
<212> DNA
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<223> Neuromedin mini-sequencing primer

<220>
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<210> 6
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<212> DNA
<213> Artificial Sequence

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<223> Neuromedin mRNA quantification forward primer

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<222> (1)..(19)

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<223>   Neuromedin mRNA quantification reverse primer


<220>
<221>   primer_bind
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<220>
<223>   L27 mRNA quantification forward primer


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<212>   PRT
<213>   Homo sapiens
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<221> neuromedin-beta
<222> (1)..(121)

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Phe Ala Leu Leu Ala Ala Gly Val Ala Pro Leu Ser Trp Asp Leu Pro
            20   25   30

Glu Pro Arg Ser Arg Ala Ser Lys Ile Arg Val His Ser Arg Gly Asn
        35   40   45

Leu Trp Ala Thr Gly His Phe Met Gly Lys Lys Ser Leu Glu Pro Ser
    50   55   60

Ser Pro Ser Pro Leu Gly Thr Ala Pro His Thr Ser Leu Arg Asp Gln
65   70   75   80

Arg Leu Gln Leu Ser His Asp Leu Leu Gly Ile Leu Leu Leu Lys Lys
            85   90   95

Ala Leu Gly Val Ser Leu Ser Arg Pro Ala Pro Gln Ile Gln Tyr Arg
            100   105   110

Arg Leu Leu Val Gln Ile Leu Gln Lys
        115   120

<210> 11
<211> 121
<212> PRT
<213> Mus musculus

<220>
<221> neuromedin-beta
<222> (1)..(121)

<400> 11

Met Thr Arg Gln Ala Gly Ser Ser Trp Leu Leu Arg Gly Leu Leu Leu
1   5   10   15

Phe Ala Leu Phe Ala Ser Gly Val Ala Pro Phe Asn Trp Asp Leu Pro
            20   25   30

Glu Pro Arg Ser Arg Ala Ser Lys Ile Arg Val His Pro Arg Gly Asn
     35   40   45

Leu Trp Ala Thr Gly His Phe Met Gly Lys Lys Ser Leu Glu Pro Pro
   50   55   60

Ser Leu Ser Leu Val Gly Thr Ala Pro Pro Asn Thr Pro Arg Asp Gln
65   70   75   80

Arg Leu Gln Leu Ser His Asp Leu Leu Arg Ile Leu Leu Arg Lys Lys
        85   90   95

Ala Leu Gly Met Asn Phe Ser Gly Pro Ala Pro Pro Ile Gln Tyr Arg
        100   105   110

Arg Leu Leu Glu Pro Leu Leu Gln Lys
      115   120

<210> 12
<211> 3677
<212> DNA
<213> Homo sapiens

<220>
<221> neuromedin-beta
<222> (1)..(3677)

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ggcgggcttc cgccagaagc ccctggcgga agcggtgccc gcgtgcgggc cagagtgtgg   240

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tggggacggc ggggagggcg gcgggcgcgg ggcacggctc cgctgctcag ggcaggctcc   360

gcccccaggg gcgcggattt aaaaggatcg aaggcagccc cggagcccag cggccgggaa   420

gcgcgcccga cgaagccgc ggcccgggca cagccatggc ccggcgggcg ggggggcgctc   480

ggatgttcgg cagcctcctg ctcttcgccc tgctcgctgc cggcgtcgcc ccgctcagct   540

gggatctccc ggagcccgc agccgagcca gcaagatccg agtgcactcg cgaggcaacc   600

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tctgggccac cggtaagtct ttggggacgg agcaagcaag cgcccctcat ccagttcaga    660

ccccatttcc ttctcaaccc tctggccgct cctcagccac ggacactagt gtcggagcag    720

gtggaaaacc ctggggctca tctaatttaa tagatatgta cttgagaccc ggacaggtca    780

gtgacttggc taaggtcgcg cagccagttt aagacagggc tgggctagat cctaaatccc    840

actgccagcc ggtgcccctt accttaggcg agacttaacc gaatcttcta accgctggtg    900

tgtttttgct gcacctccac tttccaggcg cctcttcact ctccacttcc taccctgccc    960

tttttcgtcc cttgtccaag cagcccacac aactagcaga gtttctccct ggccctggac   1020

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caggctttgc caccacccag acacctttgt ggctccttgg tgaggtggaa gcaccaagag   1140

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gtacatttga cgttctaggc tgaatcactg tttcttgtga gggctgacgt gtgcatcatg   2040

ggatgtttgg cagcatccct ggtctctaca tactagatgc cagtagcatc tttccccccc   2100

atcaagttgt gacaactgaa aagacctcca gacatcacca gatgtctgct gggggagagg   2160

gccccaaatc attattggtt gtcagtcact gatctatggg attcaagact ccaaagctgg   2220

agccaagcta gcctcaaggt atagccccgc tgagtggcaa ctccttcatt ccctgctcct   2280

ggtgctgtcc ttactgcaca ccaccctccc tggtcctgct gctgtgtgca gaaggcagtg   2340
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atgccaggct tcgtgcc                                                     3677
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<210> 13
<211> 3677
<212> DNA
<213> Homo sapiens

<220>
<221> Neuromedin-beta_mutant
<222> (1)..(3677)

<400> 13

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ggcgggcttc cgccagaagc ccctggcgga agcggtgccc gcgtgcgggc cagagtgtgg     240

gtgtgcaggt ctctgggcgg cccaaagggg gtgcccctgc ctggtaacct agcgggaggg     300

tggggacggc ggggagggcg gcgggcgcgg ggcacggctc cgctgctcag ggcaggctcc     360

gccccccaggg gcgcggattt aaaaggatcg aaggcagccc cggagcccag cggccgggaa     420

gcgcgcccga acgaagccgc ggcccgggca gccatggcc ccggcgggcg ggggggcgctc     480

ggatgttcgg cagcctcctg ctcttcgccc tgctcgctgc cggcgtcgcc ccgctcagct     540

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ccccatttcc ttctcaaccc tctggccgct cctcagccac ggacactagt gtcggagcag     720

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actgccagcc ggtgcccctt accttaggcg agacttaacc gaatcttcta acggctggtg     900

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catcccacct tcctgccagc tgtgccatcc tctctacctg ttcaggaaaa gctgagggag    1080

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gtccaaacaa aggaagctga ccttcccagt agaccccatg gggcaagaag tagggaaaga    1680
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cccagagagg gaaagagaag tcagcagcca agacagagtc tggaccttgt tcacctggac       1920

tggagctctt cccattctct catctgcctc agtatccagt ggtagggttt agcaacttca       1980

gtacatttga cgttctaggc tgaatcactg tttcttgtga gggctgacgt gtgcatcatg       2040

ggatgtttgg cagcatccct ggtctctaca tactagatgc cagtagcatc tttccccccc       2100

atcaagttgt gacaactgaa aagacctcca gacatcacca gatgtctgct gggggagagg       2160

gccccaaatc attattggtt gtcagtcact gatctatggg attcaagact ccaaagctgg       2220

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agcaccaggc actgtatttg gattttcttc cacgatcttc tttgactgtc atgaccaccc       3000

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gcctggtcct  ctcctttcac  ccgtctttta  ggggatggga  ggaaaagggg  gctggagggc       3540

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<213>  Homo sapiens

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<213>  Homo sapiens

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<213>  Homo sapiens

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<213>  Homo sapiens

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<211>  60
<212>  DNA
<213>  Homo sapiens

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<213>   Homo sapiens

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<212>   DNA
<213>   Homo Sapiens

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ccagcccatc cccattgggg acagctcccc acacctccct gagggaccag cgactgcagc      60


<210>   21
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<212>   DNA
<213>   Homo Sapiens

<400>   21
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<210>   22
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<212>   DNA
<213>   Homo Sapiens

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<210>   23
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<212>   DNA
<213>   Homo Sapiens

<400>   23
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